



Australian Government

Assessment Requirements for CPPSSI5037 Maintain spatial data systems

Release: 1

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Modification History

Release 1 This version first released with CPP Property Services Training Package Release 12.0.

This unit supersedes and is equivalent to CPPSIS5037 Maintain spatial data systems.

Performance Evidence

To demonstrate competency a candidate must meet the elements and performance criteria of this unit by completing the full cycle of maintenance, updating, backup, recovery and archiving of spatial data systems for two different projects.

While maintaining the above spatial data systems, the candidate must:

- use spatial data input technologies:
 - digitising
 - scanning
 - remote sensing
 - satellite imagery
- use spatial data output and distribution technologies:
 - scripting
 - query language
 - macro development
 - graphic interfaces
 - networks
 - remote access.

Knowledge Evidence

To be competent in this unit a candidate must demonstrate knowledge of:

- legislative requirements for accessing, storing, retrieving and archiving digital and hard copy spatial data, including data privacy, copyright and licensing
- industry-accepted standards relating to accuracy and precision, error tolerances and metadata
- types of map projections
- key features of coordinate reference systems
- methods for validating test results to identify systematic distortions

- software that can be used to manage spatial data, create metadata, and apply spatial data input, output and distribution technologies
- types of spatial data formats
- query language and graphic interfaces
- advanced spatial data reduction processes
- techniques for using spatial data output and distribution technologies
- types of storage media for a range of spatial data.

Assessment Conditions

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations.

Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting where these skills and knowledge would be performed.

Candidates must have access to:

- computer with appropriate software
- hard copy and digital data storage media
- organisational policies and procedures relating to:
 - work health and safety (WHS)
 - data privacy, copyright and licensing.

Links

Companion volumes to this training package are available at the VETNet website - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6f3f9672-30e8-4835-b348-205dfcf13d9b>